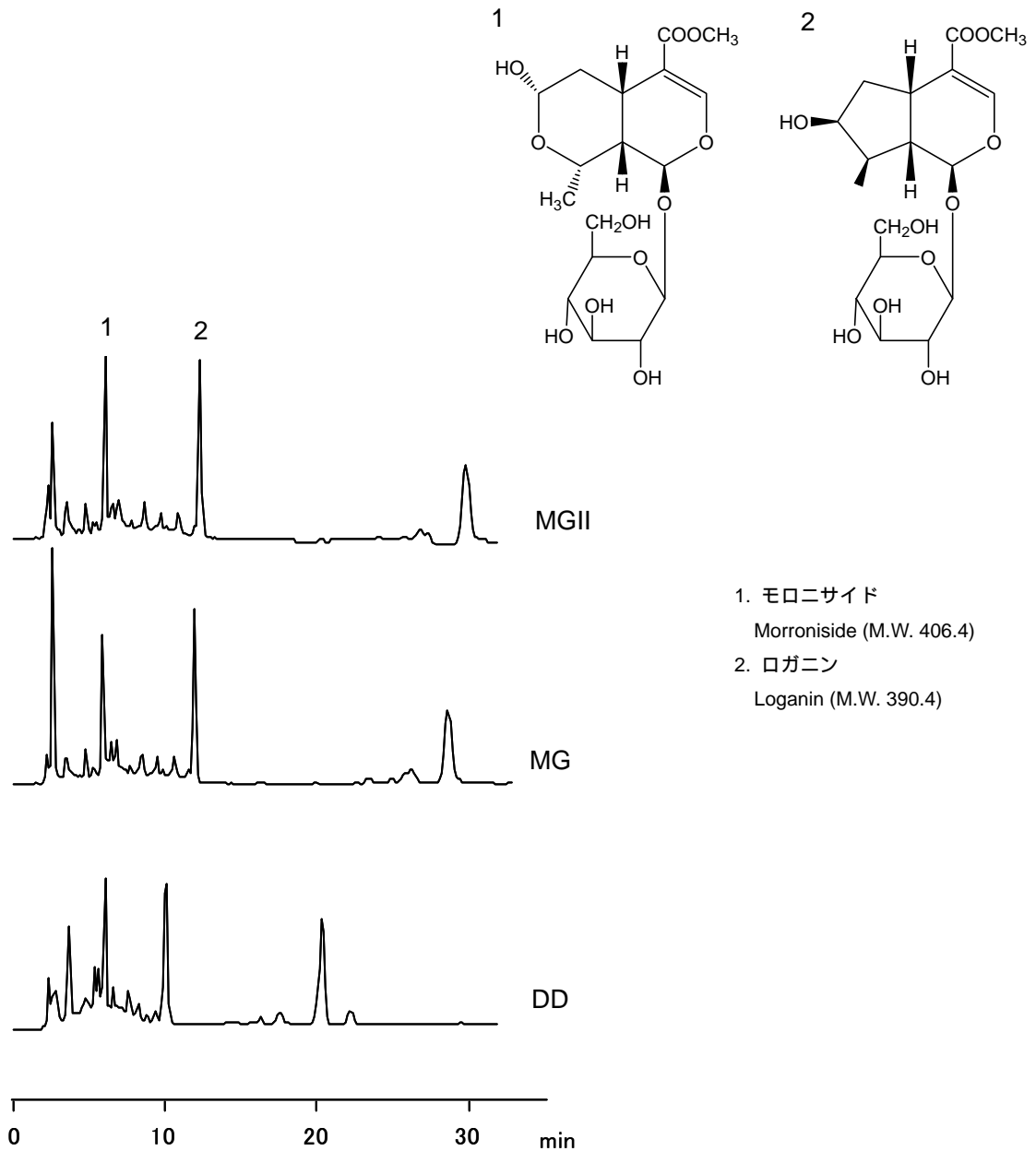


サンシュユ中モロニサイド，ロガニン Morroniside , Loganin

サンシュユは日本薬局方収載の生薬です．漢方処方用薬として，保健強壯薬の処方に少数例配合されています．

Cornus fruit is one of the crude medicines listed in The Japanese Pharmacopoeia. It is formulated into a small number of Chinese medicines as antiasthenic drug.



【HPLC Conditions】

Column : CAPCELL PAK C₁₈ MGII S5 ; 4.6 mm i.d. x 250 mm
CAPCELL PAK C₁₈ MG S5 ; 4.6 mm i.d. x 250 mm
CAPCELL PAK C₈ DD S5 ; 4.6 mm i.d. x 250 mm

Mobile phase : 50 mmol/L NaH₂PO₄ / CH₃CN = 10 / 1

Flow rate : 1 mL/min

Temperature : 40 °C

Detection : UV 240 nm

Inj. vol. : 10 µL

Pretreatment : Cornus fruit was cut into small pieces, and ground in a mortar with a pestle. 0.5 g of the ground cornus fruit was dispersed in a mixed solvent (20 mL, water / methanol = 1 / 1). The dispersion was sonicated for 30 min and filtered with filter paper. The residue was rinsed with the mixed solvent. The filtered liquid and the mixed solvent used for rinsing were added together and adjusted to 50 mL in a volumetric flask. A small amount of the solution was further filtered with a 0.2-µm filter, and introduced to HPLC.

※ 1 µg/mL = 1 ppm

【References】

1) The Japanese Pharmacopoeia, (14th ~ 15th Edition) 第 14 ~ 15 改正, 日本薬局方